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Docket No.: ENDOV-51639

## **ABSTRACT**

A new endoluminal prosthesis provides for a compressible and expansible singlepiece thick walled cylindrical structure. The cylindrical structure is comprised of curved
elongated beams which intermittently merge with adjacent curved elongated beams. Each
beam has a radial thickness greater than the circumferential width. The configuration of
the curved beams reduces stress concentrations in the expanded and compressed condition
of the prosthesis. A method of manufacture is also provided.